

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : **NEC CORP**

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## (54) MODULATING METHOD SWITCHING TRANSMISSION SYSTEM

(57)Abstract:

**PURPOSE:** To simplify the constitution of a reproduction repeater station and reduce the costs of the repeater stations by executing repeating to transmit the radio wave at a received intermediate frequency band as it is when the radio transmission is executed in a 4PSK system.

**CONSTITUTION:** An IF signal distributor 2 distributes IF signals 21 received by a receiving device 1 to an MQAM modulator-demodulator 3 and an IF signal switching device 4. A switching controller 6 receives a control signal 281 sent from a reception terminal 30, when the control signal 281 is indicated to select the MQAM system, the IF signal switching device 4 makes an IF signal 31 outputted to transmission equipment 5 by a control signal 6. When the control signal 281 is indicated to select the 4PSK system, the IF signal switch 4 makes an IF signal 21 outputted to the transmission equipment 5. Thus, by

providing the inexpensive IF distributer and the IF switch without providing the 4PSK system modulator-demodulator as the reproduction repeater station, the costs of the repeater station and the system can be reduced.

